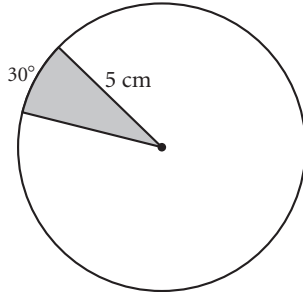


Lesson 8.6 • Any Way You Slice It

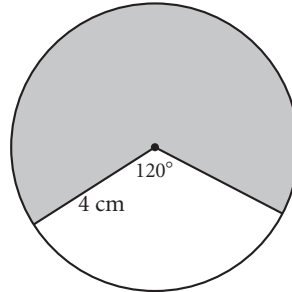
Name _____ Period _____ Date _____

In Exercises 1–6, find the area of the shaded region. Write your answers in terms of π and rounded to the nearest 0.01 cm^2 .

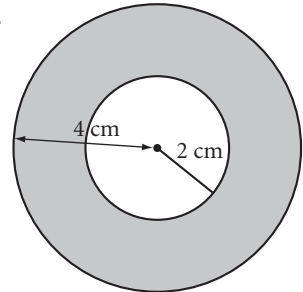
1.



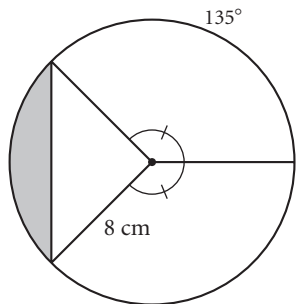
2.



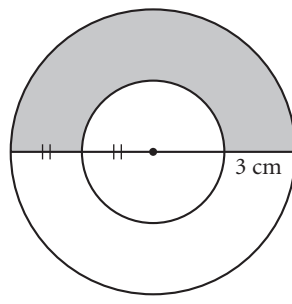
3.



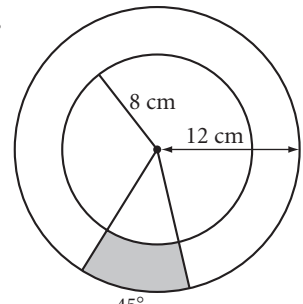
4.



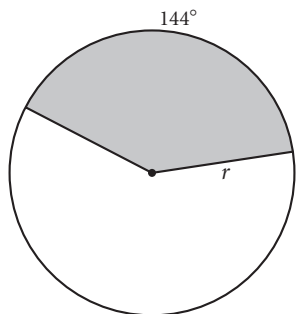
5.



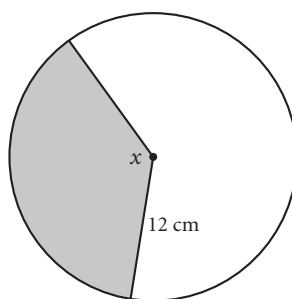
6.



7. Shaded area is $40\pi \text{ cm}^2$.
Find r .



8. Shaded area is $54\pi \text{ cm}^2$.
Find x .



9. Shaded area is $51\pi \text{ cm}^2$.
The diameter of the larger circle is 20 cm. Find r .

